# UNITED STATES PATENT AND TRADEMARK OFFICE

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/826,804 | 04/15/2004 | Mitsuo Kimura | CFA00075US | 1578 |

34904        7590        09/14/2009
CANON U.S.A. INC. INTELLECTUAL PROPERTY DIVISION
15975 ALTON PARKWAY
IRVINE, CA 92618-3731

| EXAMINER |
|---|
| SARPONG, AKWASI |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2625 | |

| NOTIFICATION DATE | DELIVERY MODE |
|---|---|
| 09/14/2009 | ELECTRONIC |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

sivon.kalminov@cda.canon.com
marlene.klein@cda.canon.com
IPDocketing@cda.canon.com

PTOL-90A (Rev. 04/07)

| | Application No. | Applicant(s) |
| **Office Action Summary** | 10/826,804 | KIMURA, MITSUO |
| | Examiner | Art Unit | |
| | AKWASI M. SARPONG | 2625 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

1) ☒ Responsive to communication(s) filed on <u>08/13/2009</u>.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

4) ☒ Claim(s) <u>1-5 and 8-17</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-5 and 8-17</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

### Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>04/15/2004</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some *   c) ☐ None of:

      1. ☒ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>04/15/2004</u>.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

## Detailed Action

### *Continued Examination Under 37 CFR 1.114*

1.      A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection.  Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.  Applicant's submission filed on 08/13/2009 has been entered.

### *Claim Rejections - 35 USC § 103*

2.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3.      Claims 1-5 and 8-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Leurig (20030014368) in view of  Simpson (20030172148).

**Claim 1,** Leurig discloses a method executed by a server **(Server 104 shown in fig. 3)** capable of communicating with a client device **(Client 108 shown in Fig. 3)** and a printer device **(Printer 110 shown in fig. 110)** through a network, **(Network 102 Shown in fig. 1) (Section 0041, lines 2-4- thus server 104 and client 108 communicates through network 102 as clearly shown in fig. 1)**

the client device being different from the printer device, **(Fig. 3 shows clearly that client 108 is externally different from printer 110)** the method comprising:

receiving a printing request from the client device **(Section 0045, lines 1-7- thus the**

**user selects a print job using client computer 108)**

transmitting print data to the printer device selected in the client device in

accordance with the received printing request; **(Section 0046, lines 1-3, thus the print**

**data is transmitted to a selected printer, selected through client device 108)**

causing the client device to acquire from the printer device without going through

the server, a state of processing of the transmitted print data. **(Section 0048, lines 5-16**

**–thus printer 110 transmits the status of the print data to client 108 and hence the**

**state of the print data is known to the client without going through the server)**

Leurig does not disclose transmitting to the client device address information for

get the state of the print data.

Simpson discloses transmitting the client device address information **(Section**

**0080- thus the job status page AP hyperlink is the URI of the web page of the**

**state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus**

**the AP hyperlink is used by the user to acquire the status or state of the print job)**

Therefore it will be obvious to one ordinary skilled in the art at the time the invention

was made to modify Leurig's printer 104 to include Simpson's  PP web content  136 so

that Leurig's printer will be able sent an AP hyperlink (URI) (address information) to

printer 110. The motivation for the modification is to unable the user to have easier

access to the state or status of the print data.

**Claim 2,** Leurig in view of Simpson discloses further comprising

authenticating that the printing request is a printing request from a valid user. **(Leurig:**

**Section 0040, thus the user logs in as a means of authentication to the server).**

**Claim 3,** Leurig in view of Simpson discloses wherein the printer device

combines print form data and the print data transmitted by the server in order to

generate image data for printing. **(Leurig: Section 0046, lines 9-12, thus the system**

**merges the selected data with the appropriate form to generate a data file or**

**image data for printing)**

**Claim 4,** Leurig in view of Simpson discloses wherein the address information

**(Simpson: (Section 0080- thus the job status page AP hyperlink is the URI of the**

**web page of the state of the print job)** for causing the client device to acquire the

state of processing of the transmitted print data **(leurig: Section 0048 lines 8-16- thus**

**the Status of the print data is sent to the user)** comprises a uniform resource

identifier of a Web page indicating the state of processing of the transmitted print data.

**(Simpson: Section 0073 since the PP web content displays a  web, it is inherit that**

**a web page comes with its URL).**

**Claim 5,** Leurig in view of Simpson discloses wherein the client device **(leurig:**

**Client 108 shown in fig. 2)** displays the state of processing of the print data **(Leurig:**

**Section 0048 lines 5-16- thus shows as to whether the print data is printed or not**

**completed)**  in a web browser in accordance with the Web page acquired by the client

device. **(Simpson: Section 0073- thus the web page displays the status of the sent**

**print job).**


Claim 6-7, (Canceled)


**Claim 8,** Leurig discloses an information processing device **(Server 104 shown**

**in fig. 3)** capable of communicating with an external device **(Client 108 shown in Fig.**

**3)** and a printer device **(Printer 110 shown in fig. 110)**  through a network, **(Network**

**102 Shown in fig. 1) (Section 0041, lines 2-4- thus server 104 and client 108**

**communicates through network 102 as clearly shown in fig. 1)**

the external device being different from the printer device, **(Fig. 3 shows clearly**

**that client 108 is externally different from printer 110)**   the information processing

device comprising:

a request receiving unit **(portion of Client 108 that receives the image)**

configured to receive a printing request from the external device; **(Section 0045, lines**

**1-7- thus the user selects a print job using client computer 108)**

a data transmission unit configured to transmit print data to the printer device

selected in the external device in accordance with the printing request received by the

request receiving unit; **(Section 0046, lines 1-3, thus the print data is transmitted to**

**a selected printer, selected through client device 108)**

and

a transmission unit configured to transmit, to the external device from the printer device without going through the information processing apparatus a state of processing of the print data transmitted by the data transmission unit. **(Section 0048, lines 5-16 – thus printer 110 transmits the status of the print data to client 108 and hence the state of the print data is known to the client without going through the server).**

Leurig does not disclose transmitting to the client device address information for get the state of the print data.

Simpson discloses transmitting the client device address information **(Section 0080- thus the job status page AP hyperlink is the URI of the web page of the state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus the AP hyperlink is used by the user to acquire the status or state of the print job)** . Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Leurig's printer 104 to include Simpson's PP web content 136 so that Leurig's printer will be able sent a web page (address information) to printer 110. The motivation for the modification is to unable the user to have easier access to the state or status of the print data.

**Claim 9,** Leurig in view of Simpson discloses an information processing device wherein an authenticating unit configured to authenticate that the printing request is a printing request from a valid user. **(Leurig: Section 0040, thus the user logs in as a means of authentication to the server).**

**Claim 10,** Leurig in view of Simpson discloses an information processing device

wherein the printer device combines print form data and the print data transmitted by

the data transmission unit in order to generate image data for printing. **(Leurig: Section**

**0046, lines 9-12, thus the system merges the selected data with the appropriate**

**form to generate a data file or image data for printing)**

Claim 11,  Leurig in view of Simpson discloses an information processing device

wherein the address information **(Simpson: Web page please see section 0073)**  for

causing the external device to acquire the state of processing of the transmitted print

data **(leurig: Section 0048 lines 8-16- thus the Status of the print data is sent to the**

**user)** comprises a uniform resource identifier of a Web page indicating the state of

processing of the transmitted print data. **(Simpson: Section 0073 since the PP web**

**content displays a  web, it is inherit that a web page comes with its URL).**

**Claim 12,**  Leurig in view of Simpson discloses an information processing device

wherein the external device **(leurig: Client 108 shown in fig. 2)**  displays the state of

processing of the print data **(Leurig: Section 0048 lines 5-16- thus shows as to**

**whether the print data is printed or not completed)**  in a Web browser in accordance

with the Web page acquired by the external device. **(Simpson: Section 0073- thus the**

**web page displays the status of the sent print job).**

**Claim 13,** Leurig discloses a computer-readable medium having a program

stored thereon for controlling a computer of a server **(Server 104 shown in fig. 3)**

capable of communicating with an external device **(Client 108 shown in Fig. 3)**and a

printer device, **(Printer 110 shown in fig. 110) (Section 0041, lines 2-4- thus server**

**104 and client 108 communicates through network 102 as clearly shown in fig. 1)**

the external device being different from the printer device, **(Fig. 3 shows clearly**

**that client 108 is externally different from printer 110)** the program causing the

computer to execute a method comprising

receiving a printing request from the external device, **(Section 0045, lines 1-7-**

**thus the user selects a print job using client computer 108)**

transmitting print data to the printer device selected in the external device in

accordance with the received printing request; **(Section 0046, lines 1-3, thus the print**

**data is transmitted to a selected printer, selected through client device 108)**

causing the client device to acquire from the printer device without going through

the server, a state of processing of the transmitted print data. **(Section 0048, lines 5-16**

**–thus printer 110 transmits the status of the print data to client 108 and hence the**

**state of the print data is known to the client without going through the server)**

Leurig does not disclose transmitting to the client device address information for

get the state of the print data.

Simpson discloses transmitting the client device address information **(Section 0080- thus the job status page AP hyperlink is the URI of the web page of the state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus the AP hyperlink is used by the user to acquire the status or state of the print job).** Therefore it will be obvious to one ordinary skilled in the art at the time the invention was made to modify Leurig's printer 104 to include Simpson's PP web content 136 so that Leurig's printer will be able sent a web page (address information) to printer 110. The motivation for the modification is to unable the user to have easier access to the state or status of the print data.

**Claim 14,** Leurig in view of Simpson discloses A computer-readable medium wherein the method further comprises authenticating that the printing request is a printing request from a valid user. **(Leurig: Section 0040, thus the user logs in as a means of authentication to the server).**

**Claim 15,** Leurig in view of Simpson discloses A computer-readable medium wherein the printer device combines print form data and the print data transmitted by the server in order to generate image data for printing. **(Leurig: Section 0046, lines 9-12, thus the system merges the selected data with the appropriate form to generate a data file or image data for printing)**

Claim 16, Leurig in view of Simpson discloses a computer-readable medium wherein the <u>address</u> information **(Simpson: Web page please see section 0073)** for causing the external device to acquire the state of processing of the transmitted print data **(leurig: Section 0048 lines 8-16- thus the Status of the print data is sent to the user)** comprises a uniform resource identifier of a Web page indicating the state of processing of the transmitted print data. **(Simpson: Section 0073 since the PP web content displays a  web, it is inherit that a web page comes with its URL).**

Claim 17,  Leurig in view of Simpson discloses a computer-readable medium wherein the external device **(leurig: Client 108 shown in fig. 2)** displays the state of processing of the print data **(Leurig: Section 0048 lines 5-16- thus shows as to whether the print data is printed or not completed)**  in accordance with the Web page acquired by the external device. **(Simpson: Section 0073- thus the web page displays the status of the sent print job).**

### *Response to Arguments*

4.    Applicant's arguments filed 08/13/2009 have been fully considered but they are not persuasive.

5.

6.      Regarding the Interview, applicant argued that the cited references fail to disclose transmitting <u>address information</u> from a server to a client device, for causing the client device to acquire, from the printer device without going through the server.

7.      In reply examiner respectfully disagrees  and the reasons for the disagreement will be discussed.

<u>103 rejections</u>

Regarding Claims 1and 8 applicant argues that Claims 1and 8 is allowable because the cited reference fails to disclose  a method executed by a server capable of communicating with a client device and a printer device through a network,

the client device being different from the printer device, the method comprising: receiving a printing request from the client device;

transmitting print data to the printer device selected in the client device in accordance with the received printing request; and

transmitting, to the client device, <u>address</u> information for causing the client device to acquire, from the printer device without going through the server, a state of processing of the transmitted print data.


**In reply,** Examiner respectfully disagree because as discussed earlier in the office action, Leurig discloses a method executed by a server **(Server 104 shown in fig. 3)** capable of communicating with a client device **(Client 108 shown in Fig. 3)** and a printer device **(Printer 110 shown in fig. 110)** through a network, **(Network 102**

**Shown in fig. 1) (Section 0041, lines 2-4- thus server 104 and client 108**

**communicates through network 102 as clearly shown in fig. 1)**

the client device being different from the printer device, **(Fig. 3 shows clearly**

**that client 108 is externally different from printer 110)** the method comprising:

receiving a printing request from the client device **(Section 0045, lines 1-7- thus the**

**user selects a print job using client computer 108)**

transmitting print data to the printer device selected in the client device in

accordance with the received printing request; **(Section 0046, lines 1-3, thus the print**

**data is transmitted to a selected printer, selected through client device 108)**

causing the client device to acquire from the printer device without going through

the server, a state of processing of the transmitted print data. **(Section 0048, lines 5-16**

**–thus printer 110 transmits the status of the print data to client 108 and hence the**

**state of the print data is known to the client without going through the server)**

Leurig does not disclose transmitting to the client device address information for

get the state of the print data.

Simpson discloses transmitting the client device address information **(Section**

**0080- thus the job status page AP hyperlink is the URI of the web page of the**

**state of the print job)** to get the state of the print data. **(Section 0073, lines 1-4, thus**

**the AP hyperlink is used by the user to acquire the status or state of the print job)**

Therefore it will be obvious to one ordinary skilled in the art at the time the invention

was made to modify Leurig's printer 104 to include Simpson's PP web content 136 so

that Leurig's printer will be able sent a web page (address information) to printer 110.

The motivation for the modification is to unable the user to have easier access to the state or status of the print data.

(Emphasis added):

Simpson teaches a PP web content 136 which is inside printer 106 sends a web page (address information) to the user on client 104. It is clear in Fig. 1A that primary printer 106 communicates directly to personnel computer 104 and therefore there is no server that the web page or the state or status of the print data has to go through first.

Applicant argues that the cited references fails to disclose a method executed by a server in which address information is transmitted to the client device that causes the client device to acquire a processing state from a printer without going through a server.

**In reply,** Examiner respectfully disagree because Leurig in view of Simpson clearly discloses a server **(Leurig: Server 104 shown in fig. 3)** in which address information (Simpson: web page see section 0073) is transmitted to the client device that causes the client device to acquire a processing state from a printer without going through a server. **(Section 0048, lines 5-16 –thus printer 110 transmits the status of the print data to client 108 and hence the state of the print data is known to the client without going through the server)**

## *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKWASI M. SARPONG whose telephone number is (571)270-3438. The examiner can normally be reached on Monday-Friday 8:00am-5:00pm est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Poon can be reached on 571-272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/King Y. Poon/
Supervisory Patent Examiner, Art Unit 2625

AMS
08/27/2009